

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: 100V Chronicles: Amazing Output Network Discovery
Message-ID: <199702051731.LAA02695@lesol1.dseg.ti.com>

While setting up for CX, I noticed that the 100V provided higher power output than my other SSB rigs of comparable rating. Considering the broadbanded, allegedly inefficient, no-tune nature of the 100V output network, this kinda surprised me, so I investigated further.

Last night I experimented, checking the 100V output into my antennas across all bands from 80 through 15 meters (no 10 meter antenna available) and found it to be essentially flat, regardless of frequency or VSWR. The 100V's ability to maintain constant output despite variations in VSWR boggles the mind. It also begins to explain the surprisingly good signal reports I've been getting at the bottom end of 80 meters where my antenna VSWR runs about 3:1.

Since my power meter is not calibrated, I can't quantify actual power output. The 6550's were running cool though and at a level below compression according to the built-in scope. The meter indicated just a tad under 150 watts input so the 100V was just "loafing". The real surprise was that when I compared four other SSB transceivers against the throttled back 100V, only the Swan 500 provided significantly higher power output and it did so only on 80 and 40 meters.

The 150-200 watt transceivers compared against were a KWM-2A, Drake TR-3 and Eico 753. Of these, the KWM-2A did best. At many frequencies, the KWM-2A could hold its own against the 100V but this mostly required driving the 6146's hard, well over 200 watts input. The results of the comparisons were perplexing. Generally, the highest output from the transceivers was obtained with low VSWR, but even this was inconsistent. Other factors also seemed to come into play. At any rate it's fair to say that generally across the bands, when operated at recommended input levels, the transceivers provided only half to two-thirds the output of the 100V, and sometimes much less. Factors such as ALC, driver mistuning, limited output pi-network tuning range and output pi-network losses all seemed to be contributors to the problem.

I am left with a sense of awe for the 100V design. It'd be interesting to see how it compares against the best of the current autotune designs. Alas, I have none to compare against, but I'd be willing to bet that none are better.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: 19 set comments by Jerry
Message-ID: <199702051434_MC2-10DE-7F83@compuserve.com>

Jerry Proc said :

With 18 watts of power, signals
were not strong, but still useable. The 19 set is characterized by its
chirpy CW signal. BTW, I would consider Chris, VE3CBK one of the leading
experts on this set. Rumour says that he has 40 plus #19 sets in his
collection including most accessories such as a linear amplifiers. Yes, the
19 set actually used an optional linear to boost the output power to the 40
to 50 watt range. The frequency range of the main set (the A set) was 2 to
8
Mhz. The VHF portion ('B' set) operated on 235 Mhz and was intended for
tactical communications at ranges of 1000 yards or less.

I would like to add my bit.....

I think you would be hard pressed to get 18 watts out of an original 19 set
Jerry. More like 8. Also, the No 2 amplifier, of which there are two
versions,
a 2 valver and a 4 valver, gives in the order of 25 to 30 watts if you are
lucky.

The A set covers 2-8 in the MK I only, its 2-10 in the MK II and III.

As for chirp. Theres no chirp on my 19 sets. It depends upon
the 12 volt battery being able to supply the current and the
tuning up procedure used.

Was on 80 Mtrs with one of mine the other day, on the 135 ft
lw, worked up and down the country, CW, and into a 20 ft
whip, worked 120 mile (daytime). On the am nets on Saturdays,
several of use come on, working the length and bredth of the UK
easily.

What you failed to mention, the B set is a regen, so goes nearly as far on rx as tx ! hi.

Good old work horse if you know its limitations.

Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>
Subject: 32-S1 for sale
Message-ID: <Pine.SUN.3.91.970205124319.24107A@dot.w6bhz.calpoly.edu>

Too many rigs, too little space. I have an excellent condition 32-S1 with original manual, and new 6146W tubes in final. I checked it out and it works. CCA standards is at least above a 9.5. It seems as though this tx has seen little or no action. I have a 32-S3 so this is a redundant addition. \$275 + shipping takes it. No p.s. included. Contact Cal, N6KYR.

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997
From: Spencer Petri <spetri@e-tex.com>
Subject: 6 Mtr Es
Message-ID: <m0vsIUX-0000o2C@e-tex.com>

At 01:10 2,5,97 Ariz/Nev into EM 21. Receiving great TV, channels 2 and 3. Channel 5 from that direction comes and goes. Channel 6 Kingman, AZ now into here. The MUF is really going up fast.

73 de Pete WA5JCI

6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC/617 Grids

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997
From: Richard Hager <rhager@millcomm.com>
Subject: 8068 Tube, Keithly HV supply
Message-ID: <32F8F86A.405C@millcomm.com>

Hello Firebreathers,

I'm considering the purchase of a mint Keithly model 245 HV Lab PS. This unit goes from zero to 1,111 volts, with a settable resolution of .001%

or some such crazy thing.

Keithly has told me that there are three tubes in it, and the rest is SS. The tubes are a pair of 0A2's, and an 8068 as the series regulator.

My question is: What is an 8068? Any crosses for it? How tough to get it and how much do they cost?

If this 245 is going to be a bear to maintain, then I might pass on it.

Thanks for the help!

Richard

PS: I'm still looking for a nice modern 4-5 foot tall roll-around rack.
--

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -
+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to make things" So... -
+ ...please call Ah-ha! directly for CNC info -
+ <http://www.millcomm.com/~ahha> email: ahha@millcomm.com -

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997
From: Mike Maloney <ac5p@ionet.net>
Subject: Re: A transformer question
Message-ID: <199702051242.GAA10724@mail.ionet.net>

At 02:51 PM 2/4/97 -0600, you wrote:

>Fellow BA'ers,

>

>I am trying to figure out a transformer and I know this is the place to ask
>for help.

>

>The configuration is E/I laminations with each of the 3 legs on the E having
>the following windings:

>

> Primary feeding it with 120 vac single phase input works fine
> Sec 1 5 volts output
> Sec 2 8 volts output
>

>There were interconnections between the three primary windings but those
>interconnects were removed first thing.

>
>So, there are three sets of these three windings, one set on each leg of the E,
>with no cinnection between sets of windings.
>
>I can use just one set, but that's a-wastin' two sets of windings. First
thing
>done was to parallel the first primary with the second primary. No problem
>once I got the polarization right. So now I have two of the sets of windings
>running with paralleled primaries, and I get outputs from those secondaries.
>The xfmr now runs cool with 15 amp load on the secondaries. I'm two thirds
>of the way to using all the transformer!
>
>Here's the challenge: No matter which polarization I try to use to parallel
>that third primary with the other two primaries the combination is a near
>short with 120 VAC input. By the way, all this testing was done with a high
>wattage bulb in series with the 120 VAC input, to prevent letting the smoke
>out of the transformer...or the house.
>
>It probably obvious that there is no way to parallel all three primaries of
>a three phase transformer and run it on single phase. Lots of you are probably
>saying, well, duh, of course.
>
>So how come two of the primaries can be paralleled with no problem but the
third
>can't?

Hi Bob, A complete explanation is kinda drawn out, but suffice to say it is
because of the magnetic flux distribution between the poles or legs of the
cores upon which the windings are wound. The best you will be able to do is
connect the two end primaries together out of phase such that the field
cancels in the middle middle leg and apply 120 or 220volts to them. Then the
secondary can be connected star or wye to a full wave bridge rectifier like
what is done on the output of an automobile alternator. By experiment you
can get the primary connection right where there is no induced voltage to the
center leg. This one can be shorted or left disconnected.

For a more complete treatment on this subject I refer you to an article by
John Staples, W6BM, Electric Radio, May 95,p.8 "Converting a Three-Phase
Power Supply to Single-Phase"

73, Mike

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997
From: "Andy Howard, WA4KCY" <102452.362@compuserve.com>
Subject: AM Operation on 160 Meters
Message-ID: <199702052108_MC2-10EA-C16@compuserve.com>

Hello to all,

This note was recently posted on the list:

>Hi XXXX...well as both a Firebottle Nut and a 160 Mtr DX nut!! I will
>have to say that if you fire up on 1843.2 kc with a AM radio or even
>a SSB radio and you are not looking for or working DX you will be
>chastized severely.....need to get up above 1925 kc to do AM!!

Because I do not wish to get into a contest with anyone I did not include the name of the person who posted this message. This is erroneous information. There has always been AM operation below 1900 kc. As a matter of fact, 1885 is the national calling frequency for AM and is recognized by the ARRL in their published band usage plan.

As far as being "chastized severely" for operating below 1900 I would offer this comment. This thing about chastizing each other, confrontation, claiming certain frequencies as one's own - these are some of the things that are wrong with amateur radio in 1997. Nobody, and I say again "nobody" owns any frequencies. Nobody has a monopoly on which mode is acceptable or proper except the FCC.

If anyone has a problem with AM below 1900 kc. they need to find a way to get over it.

Best wishes to all,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
sweetbay@compuserve.com  
wa4kcy@usa.net wa4kcy@juno.com  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

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"Our Constitution was made for a moral and religious people.
It is wholly inadequate for the government of any other."
John Adams-1798
~~~~~

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: sinned@VNET.IBM.COM

Subject: Ancient knowledge; class C grid impedance  
Message-ID: <199702051917.NAA20100@uro.theporch.com>

Situation: trying to drive a P-P, class C amp, link coupled input, with an exciter designed for 50-70 ohm load.

Problem: apparent impedance mismatch causing "rough" sounding tone on a monitoring receiver. Plenty of driving watts available.

Experiment: I coupled the amp to the exciter through a small antenna tuner and was able to get good sounding tone. Grid current indicates same DC values whether tone is rough or smooth, and output of amp is same also, regardless of tone. BTW, I can't tell which direction the antenna tuner is transforming the impedance.

I referred to the Wm. Orr texts on class C amplifier design and his calculations all require detail data from tube curve charts to resolve input impedance. Of course, those charts are unavailable to me. I can adjust the turns ratio of the input link for impedance matching if I knew which way to go.

Does anyone remember any generalities in this area about the range of input impedance one would expect to encounter? Is it very low, eg. 10-20 ohms, or perhaps very high, in the thousands of ohms range?

Thanks,  
Dennis W5FRS  
sinned@vnet.ibm.com

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: sinned@VNET.IBM.COM  
Subject: Ancient knowledge; class C input impedance  
Message-ID: <199702051737.LAA17348@uro.theporch.com>

Situation: trying to drive a P-P, class C amp, link coupled input, with an exciter designed for 50-70 ohm load.

Problem: apparent impedance mismatch causing "rough" sounding tone on a monitoring receiver. Plenty of driving watts available.

Experiment: I coupled the amp to the exciter through a small antenna tuner and was able to get good sounding tone. Grid current indicates same DC values whether tone is rough or smooth, and output of amp is same also, regardless of tone. BTW, I can't tell which direction the antenna tuner is transforming the impedance.

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Thanks,  
Dennis W5FRS  
sinned@vnet.ibm.com

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: "Lamb, Charles E MD" <lambmd-ce@saalem.ge.com>  
Subject: ART-13  
Message-ID: <50F7F73201D9AED0@mhsgate.salem.ge.com>

Greetings Listfolk,

I recently was given an old partially cannibalized ART-13. Though grimy and grungey, the rig cleaned up beautifully. It appears to be missing some chokes and part of a ceramic capacitor stack. There may be other problems as well, but this brings me to my question: Does anyone have a bit of help for me in restoration here? I don't have any schematic information except for what is available on the military web site. What are the chances there is a parts rig out there and possibly a full manual? The owner was planning to trash the old transmitter.

Thanks in advance!

Charles

Charles E. Lamb           WD4KZK  
<lambmd-ce@saalem.ge.com>

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: J P Taillebois <jpt1@idirect.com>  
Subject: ART-13 question  
Message-ID: <199702050848.DAA25022@relief.idirect.com>

I am in the long process of restoring this radio. I have applied what i



believe to be 28volts DC to the correct input pins.

all of the tubes filaments came on and the autotune motor started and moved the knobs in different positions(interesting to watch).I was able to get the autotune to respond to various settings and then no more with the electric motor becoming very hot.

My question is : What will happen to this motor if the 28 volts was not entirely DC (my 28volts dc is from a lab power supply and might not be entirely dc)

Is my autotune motor burnt?

Well we are only amateurs but need some help to become a professionnall amateur.

73

Jean Paul Taillebois 996 Greenlane court, Oshawa, Ontario,Canada M1K-2C6

e.mail jpt1@idirect.com

packet: ve3jpt@va3vw

voice:905-723-1811

fax/data:905 723-9156

Collector: Hallicrafters,Central-Electronic,Gonset, Military BA, antique radio memorabilia.

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997

From: dma@IslandNet.com

Subject: Re: ART-13 question

Message-ID: <1.5.4.32.19970205171910.006d0460@pop.IslandNet.com>

>My question is : What will happen to this motor if the 28 volts was not  
>entirely DC (my 28volts dc is from a lab power supply and might not be  
>entirely dc)

It wouldn't be happy, but I'd suspect some other problem. Are you sure the power supply can deliver the needed 10amps+ to run the filaments and autotune? If its voltage dropped, the motor wouldn't like it.

The dynamotor used with this Tx has some of the control circuitry in it. You might want to check the schematic to be sure you're putting the 28vdc in the right place!

That said, I'd look for the more likely mechanical problem that is stopping the motor. The dyno has a circuit breaker that protects the autotune motor if something goes wrong, but your lab supply may happily supply current no matter what! Are the autotune units turning easily, or? Do they go through the full range without binding? Are the two frequency units (RH side) driven against their physical endpoint? Etc.

The mechanics of this thing are complex. Have you followed the manual's instructions for setting up the autotune? If not, and the locking bars have

been unlocked and turned, the motor could be trying to drive the system past a physical stop. With no circuit breaker to protect it, this could cause damage.

I hope this ramble helps a bit.

Jan Skirrow, VE7DJX

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: dma@IslandNet.com  
Subject: Re: ART-13 RF Ammeter laziness  
Message-ID: <1.5.4.32.19970205171917.006ba218@pop.IslandNet.com>

>The short answer is that you'll never get the  
>ammeter to wake up until you present it with the load it faced in the  
aircraft.  
>Dave Stinson's series capacitor is an excellent place to start, but  
remember that  
>the average "fixed" antenna that ran between the radio space and the tail  
had an  
>impedance that was on the order of 5 ohms! A 60W lamp at full brilliance  
has a resistance  
>of 240 ohms, so that RF current is pretty low  
..

Thanks for the great answer. I feel a bit foolish, as this should have occurred to me!

Regards

Jan Skirrow, VE7DJX

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: provero@connix.com  
Subject: BA-related Web Page Update  
Message-ID: <199702060140.UAA07480@comet.connix.com>

Announcing a pretty major update of my BA radio pages including:

An R-392 image (detailed line drawing)

Two new SP-210 images, RA-74 power supply schematic,  
first cut (not so hot) at a complete schematic.

Still incorporating more tube data for the receivers, probably won't

make the pages until next week.

P.J. "Josh" Rovero           home:   provero@connix.com  
Meteorologist               radio:   KK1D  
Oceanographer               work:   rovero@sonalysts.com  
Curmudgeon-at-Large       web:    http://www.connix.com/~provero/

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: Paul Thekan <Paul.Thekan@eimac.cpii.com>  
Subject: BC 344s' FS  
Message-ID: <2.2.16.19970205080548.388f9738@eitel.eimac.cpii.com>

Hello all

Several BC 344 receivers are for sale by a good friend. I am not involved in the sale of these sets but only in letting the group know of their availability. The fellow to contact is:

Mike Tara  
Phone: 209 931 6059 ,please call between 6pm - 9 pm PST  
Stockton , Calif

Mike did not mention any prices to me. He said the receivers where in good to fair condition.Good Luck.

Paul N6FEG

Paul Thekan - Speaking for Himself  
Paul.Thekan@eimac.cpii.com

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: km1h@juno.com  
Subject: Best RX for CW/SSB  
Message-ID: <19970205.091311.9887.2.km1h@juno.com>

I do a fair amount of VHF/UHF weak signal work with a TS-940 and transverters. The RX phase noise limits the noise floor and sometimes I feel that I'm missing the real weak ones.  
Has anyone ever performed oscillator phase noise tests on the better BA receivers?  
What would be considered the best? Since the use will be CW and SSB, stability, AGC response and very low audio/product detector distortion is a must.

I have owned R4C's and 75A4's but never ran any tests or had at the same

time as the 940. Never owned S Line.

Have a stock, untouched 51J4 here that is a potential candidate for some mods but the tuning rate is a bit too fast for CW; does anyone sell a nice 8:1 reduction knob for this?

Tnx for any info.....Carl KM1H 1.8MHz to 10GHz

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997

From: Mike Sanders <k0az@i1.net>

Subject: Re: Best RX for CW/SSB

Message-ID: <3.0.16.19970205190819.2c37bbec@i1.net>

Greetings Carl and all, A fella who says he has done extensive testing on almost everything that works on 6 meters says the 75A4 with a decent converter is still the best possible receiver. His opinions include the lack of phase noise as in newer rigs. Good dynamic range accounting for excellent strong signal handling capability and so on. This fella sends out a pamphlet on various rigs for 6 meter and is quite critical of the newer equipment in general but does give some of it high marks in some catagories. Sam Goda is the guys name and he has his followers and his detractors. He comes off pretty strong but I think on a whole I would have to think his findings to be valid.

While trying to copy stations on a 2 meter aurora opening with a far eastern rig I was being totally run off the band by strong locals. For grins I took an old Ameco nuvistor converter ahead of the Drake 2B and BINGO we had selectivity. No lack of sensitivity either.

In the early and mid seventies I used a Drake B line on 6 meters. Using the TC6 transmitting converter was fine but I felt the Drake solid rx converter lacked a lot even back then. I used a homebrew fet converter instead. I doubt I have used a rx as good as that set up since.

I think the rx side of a DEM or SSB current production transverter ahead of a 75A4 would be pretty tough to beat for "real" receiver parameters. I probably should take the old Ameco converter and get it ahead of my 75A4 this next E season and take a look at it. Got a strong hunch it would be pretty easy to like.

73, Mike K0AZ

At 08:16 AM 2/5/97 -0600, km1h@juno.com wrote:

>I do a fair amount of VHF/UHF weak signal work with a TS-940 and

>transverters. The RX phase noise limits the noise floor and sometimes I  
>feel that I'm missing the real weak ones.

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>

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>nice 8:1 reduction knob for this?

>

>Tnx for any info.....Carl KM1H 1.8MHz to 10GHz

>

>

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997

From: Pete McCollum 05-Feb-1997 0956 -0700 <mccollum@ssdevo.ENET.dec.com>

Subject: can anyone ID this antenna?

Message-ID: <9702051656.AA06746@us3rnc.pa.dec.com>

I have a lead on a military antenna. The problem is, I don't have a real  
detailed description of it, so I'm not sure exactly what it is.

So, if anyone can offer any guesses about what it is, please let me know.

Would also like to know a fair price to offer for it.

The description is:

A big canvas bag, containing several wood mast poles, plus a couple (?) of  
antenna pieces, plus a coil of thick black cable. The designation is  
probably 'RC-???'. The assembled mast is around 16' or so.

The closest thing I've heard of is an RC-292 ground-plane for PRC-25, but  
I've never seen one of those either...

Any ideas? Please e-mail me direct, since I'm in digest mode, and I need  
to decide by tonight, so I can tell my brother to make him an offer.

Thanks,

Pete

mccollum@ssdevo.enet.dec.com

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997

From: jproc@bellglobal.com

Subject: RE: Canadian #19 Set HAM Net.....

Message-ID: <Chameleon.4.01.2.970205000804.jproc@>

Hi Robert,

I'm familiar with the players on this net. They used to meet on the first

Sunday of the month on 7060 Khz at 1500 hrs EST provided Dave Lawrence was available that day. Since I only have monitoring capability on 40 and 80 meters, I used to get Al Cronin VE3RIH to relay any messages.

One Sunday was most interesting. Everyone took a shot at putting their 19 set on the air using CW, MCW and phone modes. With 18 watts of power, signals were not strong, but still useable. The 19 set is characterized by its chirpy CW signal. BTW, I would consider Chris, VE3CBK one of the leading experts on this set. Rumour says that he has 40 plus #19 sets in his collection including most accessories such as a linear amplifiers. Yes, the 19 set actually used an optional linear to boost the output power to the 40 to 50 watt range. The frequency range of the main set (the A set) was 2 to 8 Mhz. The VHF portion ('B' set) operated on 235 Mhz and was intended for tactical communications at ranges of 1000 yards or less.

For some reason, the net moved down to 3705 Khz and operated at 1900 hrs EST weekly. Here, the net actually used the 19 set on CW. Since this was an inconvenient hour for me, I lost track of their activities. Its good to know they are alive and kicking on 3760 Khz.

The 19 set has become one of the more popular Canadian collectables. Flea market prices can range as following:

|                                                             | (\$Cdn)          |
|-------------------------------------------------------------|------------------|
| 19 set alone                                                | - \$25 to \$50   |
| 19 set mounted on base board with 'B' set and power supply. | - \$125 to \$250 |
| 19 set mounted on board with P/S, spares and accessories    | - \$350 and up   |

Many people subjected the 19 set to an unforgivable indignity. Since they did not have the power supply or the short, interconnecting, power cables, many 19 sets are sold with wires soldered right to the pins of the power connector. Ouch...! Once solder gets on those pins, it's impossible to remove with solder wick and that certainly lessens the worth of the set. I guess folks though there would be an unlimited amount of these becoming surplus, so what's an indignity or two here and there?

Several years ago, an unopened 19 set was discovered at the Gananoque Light and Power Company (near Kingston Ont) by Dave Lawrence and partners. When the box was opened, there were no surprises - just one absolutely pristine set complete with air from 1943! The box had hermetically sealed with wax.

There used to be an abundance of 19 sets in the Canadian surplus marketplace. Like many other BA's, their numbers have been drastically reduced. A few of these sets are now finding new homes on the back of WW2 jeeps and trucks that are being restored by military vehicle collectors.

Regards,

-----  
Jerry Proc VE3FAB

E-mail: jproc@bellglobal.com  
Radio Restoration Volunteer  
HMCS Haida Naval Museum  
Toronto, Ontario  
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From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: Mike & Holly Steussy <hikrbikr@erols.com>  
Subject: CHRS swap meet rept  
Message-ID: <32F7CF19.3C6@erols.com>

In BA Digest 1237, one of our number wrote "Saw a Halli SX99 for \$70 and would have bought it myself but hadn't sold any of my stuff yet and when I did it was gone. It was in nice condition too."

I had SX-99 several years ago and wish I still had it. But I have an S-40 that I bought last fall and it reminded me strongly of the SX-99. So I compared the schematic for the SX-99 with the schematic in my S-40B manual. I was amazed to see that the circuits were nearly identical. The main differences were that the SX-99 has a crystal filter and an S-meter that the S-40 doesn't have, while the S-40 has a built-in speaker. The S-40's first IF is a 6SK7 and the SX-99 uses a 6SG7.

When I mentioned this to Hap Perry, WA4UPV, he wondered if the S-85 is even more closely similar. I don't have the schematic for that receiver, but Moore's Communications Receivers, 3rd Ed. confirms the S-85 is "Successor to S-40B - note same tubes." So an S-40B would be a pretty fair substitute until another SX-99 comes along.

Mike Steussy, AE4R  
Vienna VA

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: bill@skeeter.frco.com (William Hawkins)  
Subject: Coincidence?  
Message-ID: <9702050440.AA08350@skeeter.bvc.frco.com>

Recently a list member asked about a strange HV power supply. I bought some books from him, so I went down to the 'shack' to look up the tube, and to get away from the OJ media circus. I turned on the R390 to cover the noise from the TV, and here was this clear AM signal on 3886 (the counter may be off a bit). So I listened with half an ear while I dug

out the RCA transmitting tube manual. As I was reading about the 866A, I became aware that the voice from the radio was talking about the very power supply I was looking for. A Western Electric unit, wired for negative high voltage - the 866A filaments were grounded.

I couldn't get the call, but the group mentioned another call, though I don't know the context. They used phonetic alphabet for WD5DNA. If the guy with the WE power supply was a list member, thanks.

Regards,  
Bill Hawkins bill@skeeter.frco.com

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: Scott Townley <nx7u@primenet.com>  
Subject: Collins 51J PTO HR Article Requests  
Message-ID: <1.5.4.16.19970204222956.22d79d12@mailhost.primenet.com>

To all those who requested copies of the Dec. '69 HR on the Collins 51J PTO from me, they're on their way as of Wednesday AM.  
Sorry for the delay, it's that darned day job.

-----  
"There is no need to sally forth, for it remains true that those things which make us human are, curiously enough, always close at hand. Resolve, then, that on this very ground, with small flags waving and tiny blasts of tiny trumpets, we shall meet the enemy, and not only may he be ours, HE MAY BE US."  
-----

Scott Townley  
nx7u@primenet.com

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: arc5@ix.netcom.com (David Stinson )  
Subject: Collins 51S1 Question  
Message-ID: <199702052110.PAA14162@dfw-ix12.ix.netcom.com>

I have a Collins 51S1 that has a strange attribute.

The old serial number has been removed. In its place on the back skirt is a stamped marking, "SPL 000035". Inside on the chassis is a stick-on label over the old serial number, also stamped "SPL 000035". I can't see anything unusual about the 51S1, and it works normally.

Any ideas at all?



73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: jproc@bellglobal.com  
Subject: Re: Crypto Pics & Order Wire  
Message-ID: <Chameleon.4.01.2.970205133731.jproc@finlay.bellglobal.com>

Dear BA'ers,

Jointly, requests for crypto pics and the response for the definition of the 'order wire mode' were quite brisk and I'm most pleased. Seeing that the KWR 37 was a crypto broadcast receiver, any instructions sent in order wire mode were \*uni-directional\* in nature. The most accurate response came from Tim, W1EII:

"The order wire mode was normally used to pass instruction to the distant station to bring up the system in crypto mode. Usually, these instructions were passed in the 'clear' using code words.

Knowing this piece of information is great! Thanks to everyone who responded.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@bellglobal.com  
HMCS Haida Naval Museum  
Toronto, Ontario  
'Looking for a 'AN/SRC-501'  
-----

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: "Richard L. Duell" <rduell@iac.net>  
Subject: Crystal Reference  
Message-ID: <2.2.32.19970206024913.0096aaf8@iac.net>

Can anyone point me to a comprehensive listing or reference for the more or less common crystal holders that have been manufactured. International used to print the specs for the ones they manufactured in their their catalog but, of course, that did not cover many of the military, antique and oddball commerical ones.

Any help will be appreciated.

73, Rich - W5VDU

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: DEE ALMQUIST <soundnmind@rica.net>  
Subject: DRAKE AFFECTIONEROS  
Message-ID: <19970205043313484.AAA400@har-dialin-51.rica.net>

>Date: Tue, 04 Feb 1997 09:04:52  
>To: boatanchors@theporch.com  
>From: DEE ALMQUIST <soundnmind@rica.net>  
>Subject: DRAKE AFFECTIONEROS  
>  
>Hi fello tube lovers...  
>  
>I managed to come into a quantity of new 6JB6s. Knowing that the going price on these bottles these days is right around \$22. ea., I will share these new RCA, Sylvania, GE bottles with this BA group for \$16. ea. I can match transconductance for pairs. If interested please e-mail DIRECT. Or land line.  
>Regards  
>Dee, W4PNT  
>  
>Dee Almquist PO Box 371 Crimora, Va. 24431  
>Dee's hamshack (800)755-2365 fax:(540)249-5064  
>  
>PATTY AND DEE'S MARINA, COLLECTORS OF ALL SORTS OF ELECTRONIC BOATANCHORS AND TUBES.  
>  
Patty, KA4EKK & Dee, W4PNT

SOUND IN MIND---TUBE SPECIALISTS (TRANSMITTER, AUDIO, INDUSTRIAL, OTHERS)

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<http://home.rica.net/soundnmind>

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: "Bill Richarz" <wricharz@transprt.com>  
Subject: DX-60 & DX-60B  
Message-ID: <19970205190624.00061aaa.in@transprt.com>

Hello group,

Anyone know the difference in the DX-60 & DX-60B?  
What's the going price on one with the original manual?

Thanks, Bill N4DH

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: Mike Toneri <toneri@ils.net>  
Subject: Re: EFJ Adventurer- wavey wavery meter needle  
Message-ID: <199702050431.XAA15769@server1.ils.net>

>But I wonder - did (some) meter needles of that era (ca. 1953) sometimes  
>waver somewhat? This shows a linear travel to the Grid max indication, but  
>when I go to Plate indication the needle sails to max and then slowly  
>wavers its way down to around 110 mils, where it should be.  
his is a characteristic of the very cheap meters that were on the  
Adventurer. I believe the meter was made by Simpson and it was their  
cheapest. I too have an Adventurer and the meter does exactly the same  
thing. You will just have to live with it and enjoy it.  
73..Mike VE3FGU

\*\*\*\*\*  
Mike & Lynda Toneri E-mail: toneri@ils.net  
\*\*\*\*\*

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: Bob Reynolds <breynd@sigg.com>  
Subject: EFJ Adventurer- wavey wavery meter needle -Reply  
Message-ID: <97Feb5.090840cst.19643@firewall.sigg.com>

I have the Knight version of this transmitter. The only difference  
between the "Adventurer" and the "knight" is the RF output  
connector and the paint job. The meter is damped and should  
rise steadily to the plate current, assuming it is "dipped". Mine  
now goes all over the place and needs replacement. Maybe the

designed life span of the meters were determined by the same people that designed the life span of cars !

73, Red K5VOL

breynold@sigg.com

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: John Shriver <jas@shiva.com>  
Subject: Re: Eico manual  
Message-ID: <199702051501.KAA18966@shiva-dev.shiva.com>

All VTVM schematics are essentially the same. Only difference is the rectifiers for the AC range, how they are arranged. The schematic in any of the RCA RC-nn tube handbooks should be more than close enough.

There is a dual triode, with the meter between the plates.

My RCA one was sick because the cathode resistors were way off value.

As usual, assume that every CC resistor must be checked for value. The precision resistors in the input divider are probably fine.

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Mort Denison <mdenison@postoffice.ptd.net>  
Subject: ER R390A Modifications 06/91 #26  
Message-ID: <32F91B71.77AE@postoffice.ptd.net>

Has anyone performed the ER modifications on their R390A that Ray Osterwald recommended? This involve AGC modifications, IF modifications and RF modifications. There was wiring and component changes as well as several tube substitutions.

I plan to start the audio rewiring this weekend and would also do the above modifications based on the group's experiences.

Thanks

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: pmills@A.crl.com (Phil Mills)  
Subject: For Sale -- misc.  
Message-ID: <199702051446.AA26701@A.crl.com>

I have the following to sell...

Heath SB-401 xmtr, with crystals, very good - \$110 shipped in US  
with original manual.

Heath Sb-620 panadaptor, missing graticlue, looks good - \$60 shipped  
and works good, with original manual. in US

Collins crystal pack for S-line, less gripper - \$110 shipped in US

Panoramic Radio Corp. PC-2T-200 panadapter with partial - \$ 60 shipped  
repro manual and new crt tube, fair condition, in US  
very good front panel, mising graticule.

Collins R388 receiver, original, with covers and cabinet. - \$230  
shipped  
works good, front panel has touched up blemish in US  
above crystal filter knobs, cabinet has no dents  
or dings but has light surface rust.

thanks & 73,  
Phil

.

Phil Mills, AB5TH                \*\*\*\*    \*\*\*\*\*  
pmills@a.crl.com  
281-992-5762 DAYS  
Friendswood, TX    (south of Houston)

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: Merv Schweigert <k9fd@htc.net>  
Subject: FS  
Message-ID: <9702051533.AA28401@ns.htc.net>

Due to needing cash flow for another part of the hobby, I need  
to sell off some BA gear.

1. Heathkit DX-60 (not A or B) mint panel, cabinet excellent  
except someone enlarged a vent hole on the left top and a  
scratch on the left top. Chassis clean, works fine, new  
6146 final.

HG10B panel good, cabinet repainted. Works fine, some drift  
(normal?) Manual copies for both.  
The pair 135 plus shipping.

2. Heathkit signal tracer T-4, good condition working, copy of  
manual. with probe. 25 plus shipping

3. Heathkit Capacitor checker CT-1. good shape works, small checker that only checks for open or shorts. 15 plus shipping.
4. Simpson Capacohmeter model 383-A. Capacitor checker, reads capacity, resistance, has pulse volts to 900 volts very nice condition, no manual. no leads. 50 plus shipping.
5. Pyramid Cap Resistor analyzer, model CRA-2. Reads capacity resistance, leakage, can set volts and power factor. Manual. Good condition but looks like sat in a window and the sun has faded the front panel color out. no leads. 50 plus shipping
6. Precision VTVM v-75, good shape, working, may need calibration manual, has rf probe, no test leads. 15 plus shipping
7. BC 453-B by colonial radio, unmodified, aluminum, no corrosion, almost new condition. No accessories. 35 plus shipping. Needs to go to collector and not be butchered..
8. Audio enthusiast's, Bell mono audio amp model 2122-C uses a pair of 6v6 output tubes, nice shape, has a dent on the power transformer. Not checked but think it has a hum, probably caps. If interested make a offer or trade before I tear it apart for the output transformer and power supply.
9. 4-1000 tube socket, Eimac SK-500 aluminum type, good condition minus the 4 small clips for the chimney spacers. 30 plus shipping.

Thanks, shipping is from near St Louis if you want to look up the charges.

Merv K9FD

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: mraine@compusmart.ab.ca (Marty Raine)  
Subject: FS Drake L4B Linear Amp  
Message-ID: <199702050339.UAA03354@bernie.compusmart.ab.ca>

Very nice Drake L4b Amp for sale in Alberta. Front panel very good shape...NO marks. Cabinet clean....NO scratches.  
Original owner has added fingerstock underchassis to improve grounding.  
Nice work, many screws!  
\$1200.00 CDN....and remember the discount US vs CDN \$\$!

Pls phone:  
Leo Kiefer, VE6LG  
403-434-6117

0900-2200 MDT

Leave msg if no answer

Discuss shipping with him...he has boxes for PS, tubes & manuals, amplifier  
You ship

73

Marty, VE6TS

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997

From: hdmeitzen@champion.aclic.com (HD Meitzen)

Subject: FS 75S1,32S1,516F2 and HQ 170

Message-ID: <9702051916.166548@champion-0845.aclic.com>

75S1,32S1,516F2 cosmetically in 9.5 condition. I have been told the  
6146 are soft.

As is \$650 I can have Hal go through the units and add \$230. That is  
what it would cost me

for shipping and repair. I have seen this same setup sell for \$1100.

The units really are in beautiful condition.

HQ170 cosmetically is a 7 but very restorable. Front panel lettering  
is perfect. Unit has

hiss but not working. The Q Multiplier (phase?) cap is broke. If any  
one has one please let me know.

This is the variable cap in the upper right corner. Speaker included  
\$130. I got these units in a trade

, I fired up the receivers and the S1 works fine. The S-Line was  
obviously well taken care of. If you want to call and discuss my day  
number is 630-577 8131.

Dave

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997

From: rhys@ix.netcom.com (Lawrence D. Walken)

Subject: Re: FS Hammarlund SP-200??

Message-ID: <199702050337.TAA20996@dfw-ix4.ix.netcom.com>

Hi Gang --

Here's one I picked up from rec.radio.swap for you died-in-the-wool  
Hammar fans. The original post was vague but when I called the fellow  
up in Rhode Island he turns out to be a very interesting guy. This was

his receiver when he was a kid and loved it (it was old twenty years ago) but is too busy to get it going again -- he says it needs an audio output xfrmr is all.

He's apparantly a software engineer and as we sat over the phone trying to figure out exactly what model it might be -- my looking at Moore and asking questions of him, he said hey why don't I just scan the cover of the manual into my website so an hour later it was done. Aint science grand?

Turns out the picture on the manual is not exactly right. The upper left knob is an antenna trimmer and the lower panel has pairs of toggle switches (not individuals) in each lower corner. He's threatened to take a Pololoroid and scan that in. I couldn't figure an exact model by using Moore but I'm sure some of you guys will have an idea as to what it is.

The price certainly seemed reasonable and the picture is a hoot. Somebody with some spare time :-) should grab this baby and breath life into it. Good luck.

Larry Wolken N30JD

CONTACT HIM NOT ME

\*\*\*\*\*

Hi Larry,

It is in pretty good shape. I have posted a description as well as an advertising picture on my web page. Tomorrow, I will post a real picture of the unit when I get a picture scanned in. Please feel free to browse the web page at

<http://users.ids.net/~lirakis/index.html>

or directly at

<http://users.ids.net/~lirakis/super200.htm>

At 07:18 AM 2/4/97 GMT, you wrote:

>On 4 Feb 1997 02:04:01 GMT, you wrote:

>

>>Three items are available.

>>1) The first is a 1920 vintage radio with 3 WD11 vacuum tubes. One extra tube

>>is provided. This radio works! Asking \$500 plus shipping.

>

>>2) A Hammurlund Super-Pro SW radio. Covers 500Khz through 15Mhz. Also



works.

>>Have a collection of 7 pin vacuum tubes that go with it. I am asking \$50

>>plus shipping, it is a real boat anchor, for the radio. \$10 each or best offer

>>for the box of tubes. Send email for a list of numbers.

>

>>3) EH Scott radio, sans cabinet. Covers AM band as well as 2 SW bands.

>>Works very well. Asking \$100 plus shipping.

>

>>4) Studebaker automotive radio, vacuum tube. Asking \$50.

>

>> Please send email to [lirakis@ids.net](mailto:lirakis@ids.net)

>

>> Chris AA9AL

>

From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Wed Feb 5 06:45:36 1997

From: don merz <[71333.144@CompuServe.COM](mailto:71333.144@CompuServe.COM)>

Subject: FS, Free & WTB

Message-ID: <970205033201\_71333.144\_DHB31-1@CompuServe.COM>

For Sale, Free and Wanted

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
[71333.144@compuserve.com](mailto:71333.144@compuserve.com)

FOR SALE

T-20/ARC-5 modified command set transmitter. Designed to cover 4-5.3mc but modified to cover ??? Modifications include: Antenna connector changed to SO-239 (and relay removed), rear connector changed to octal and 1/4" jack added to lower left front panel. Paint is good and the rig is complete with tubes and all covers. It looks good. As-is. \$20

Swan 250 original manual. Excellent. \$15 PPD

FREE (you pay shipping)

Kleinschmidt TT-230/FG Reperforator Teletypewriter. Military order 26802-PH-51. Weathered case. With reel and cables. Untested. Teletype 3-head tape reader model ???. This is the one that hams used to always use for looped messages like CQs and RYs, etc. Very Good working condition with cables.

WANTED

Hallicrafters T-54 TV manual and Sams photofact copies. Any info on restoration articles or other info also appreciated.  
Information on where to get a Hallicrafters cabinet refinished.  
The cabinet I want to refinish is on a T-54 TV. It's the same style and size as the SX-101, 101A, SX-42 and SX-62 cabinets but it has different openings in the rear. OR I will buy another T-54 parts set to get a nice cabinet.  
ARC-5 2-receiver rack with or without shockmount.

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Spencer Petri <spetri@e-tex.com>  
Subject: Fumble Fingered!  
Message-ID: <m0vsIkf-0000mHC@e-tex.com>

Sorry guys, I fumble fingered the 6 Mtr Es report to the wrong group.  
However now would be a good time to check 50.4 for AM.

73 de Pete WA5JCI

\*\*\*\*\*  
6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC/617 Grids  
\*\*\*\*\*

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: "Jim Zellmer" <zellmer@raccoon.com>  
Subject: Fw: Heathkit questions  
Message-ID: <199702050307.VAA06644@slip1.raccoon.com>

A buddy of mine has a severe case of HOT WATER GREENITIS (got to get another one).  
He had a couple of questions to pass a long to the group.

1. Is there is a substitue for the 6GW8 tube used in the audio section of HW & SB series?

2. Does any one out in boatachor land have an extra VFO knob for the HW & SB series?

73 ES GOD BLESS U ES URS

JIM ZELLMER, KA0VSL

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: dfrancis@access.usa.net (Dexter Francis)  
Subject: H & R Surplus of Philadelphia?  
Message-ID: <v01520d07af1e7ab11241@[207.0.57.74]>

Has anyone had any experience with these folks? I found them in a book on cheap and almost free stuff, in the Army/Navy Surplus section. They supposedly have lots of old electronic parts, etc.

-df

\* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 \*  
\* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net \*  
\* [http://www.usa.net/~dfrancis/CWest\\_Tube\\_Sales.html](http://www.usa.net/~dfrancis/CWest_Tube_Sales.html) \*

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: "Al Klase" <skywaves@webex.net>  
Subject: Re: H & R Surplus of Philadelphia?  
Message-ID: <MAPI.Id.0016.006b79776176657330303038303038303038@MAPI.to.RFC822>

-----  
> Has anyone had any experience with these folks? I found them in a book on  
> cheap and almost free stuff, in the Army/Navy Surplus section. They  
> supposedly have lots of old electronic parts, etc.

These guys have been around for a long time. Used to publish a monthly catalog. Mostly electro mechanical stuff: motors, relays, optics. etc. Not many BA's but give the a shout.

73,  
Al  
~

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: paul Veltman <veltman@netcom.com>

Subject: Re: H & R Surplus of Philadelphia?  
Message-ID: <Pine.3.89.9702051543.A15432-0100000@netcom17>

On Wed, 5 Feb 1997, Dexter Francis wrote:

> Has anyone had any experience with these folks? I found them in a book on  
> cheap and almost free stuff, in the Army/Navy Surplus section. They  
> supposedly have lots of old electronic parts, etc.

>

Dexter,

I've done business with them in the past. My most recent purchase were 3  
B&W antenna switches. They are reasonable people to work with. They  
used to have a catalog, but I haven't seen one in a while. Maybe they  
discontinued it or just took me off the list because I haven't bought  
anything recently.

Regards,

Paul

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: pmills@A.crl.com (Phil Mills)  
Subject: hc-6 xtals needed  
Message-ID: <199702051437.AA26373@A.crl.com>

I'm looking for the following xtals in hc-6 holders:

5,700 kc  
9,300 kc  
16,500 kc  
23,000 kc  
23,300 kc  
, 29,000 kc  
30,500 kc  
31,500 kc

If you have any or all that you are willing to sell, please let  
me know.

thanks & 73,  
Phil

.  
Phil Mills, AB5TH                \*\*\*\*\*  
pmills@a.crl.com  
281-992-5762 DAYS

Friendswood, TX (south of Houston)

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: "Garey Barrell, K40AH" <75025.73@CompuServe.COM>  
Subject: Heath SB-650 Schematic Needed  
Message-ID: <970205045818\_75025.73\_FHD36-1@CompuServe.COM>

Subject says it! Anybody got a manual or even a schematic for this thing??

All the usual disclaimers, offers, bribes, etc. as needed.

73, Garey - K40AH  
75025.73@compuserve.com  
Atlanta

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: pmills@A.crl.com (Phil Mills)  
Subject: Heath SB620 FS - correction  
Message-ID: <199702051629.AA01776@A.crl.com>

My apologies to the list, but I inadvertently left out pertinent info on the Heath SB620 panadaptor I advertised....it is for a 455 kc. IF and therefore is not suitable for use with a Heath SB-line rig.

73, Phil

.

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Gordon Smith <wpe9ijx@holli.com>  
Subject: heathkit catalogs  
Message-ID: <199702060208.UAA05292@uro.theporch.com>

I work with a fellow who recently told he that he had a collection of Heathkit catalogs at home that he would be willing to sell. I will list what he gave me. I saw the 1958 catalog. It is in really good condition. The 1965 catalog showed a little area of water staining at the lower outside edge of the pages. I would assume the rest of them have that water stain, but who knows. I will collect any offers for these, and give them to the owner. If the offers are agreeable to him, I'll shoot the high bidders back

an e-mail (direct, of course). I think  
you'll have to assume that you'll pay shipping from Indianapolis.  
Here we go all you Heathkit fans:

| year    | cat. #                                                                  |
|---------|-------------------------------------------------------------------------|
| 1958    |                                                                         |
| 1959    |                                                                         |
| 1960    |                                                                         |
| 1960-61 |                                                                         |
| 1961-62 | fall and winter                                                         |
| 1962-62 | fall and winter 81/30                                                   |
| 1964    | 81/40                                                                   |
| 1965    | 810/50                                                                  |
| 1966    | 810/60a                                                                 |
| 1968    | 810/68                                                                  |
| 1969    | 810/69                                                                  |
| 1970    | 810/70                                                                  |
| 1971    | 810/71                                                                  |
| 1972    | 800/28                                                                  |
|         | 810/72d (retail store catalog with Nixon price freeze note on<br>cover) |
|         | 800/62                                                                  |
| 1973    | 810/73                                                                  |

Please e-mail direct to wpe9ijx@holli.com. Thanks one and all. 73

PS) If there are typos in this list, it's because the original list the  
owner gave me had typos. If there any questions about these, I'll  
be glad to forward them.

WA9SLU WPE9IJX 1983 Honda GL650 Silverwing

Regards from the "Silicon Flood Plain" (tm) of Kokomo, In.

(home of Delco Electronics and the "Steer and the Stump" .....

ask me if you want more info :) )

wpe9ijx@holli.com

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997

From: Avery Comarow <acomarow@usnews.com>

Subject: Hickok HV probe

Message-ID: <2.2.16.19970205071331.2b776a6a@pop3.usnews.com>

Got a NIB Hickok PR-30 HV probe, meant for Hickok 209 VTVM but fine with any  
meter that takes a single-ended mike connector. Big rugged thing, with  
interchangeable probe/alligator clip tips.

How about \$10 plus shipping?

Avery W40GK

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Avery Comarow <acomarow@usnews.com>  
Subject: Hickok HV probe: sold  
Message-ID: <2.2.16.19970205200507.430f4692@pop3.usnews.com>

It's gone. Thanks to all who responded.

Avery W40GK

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: Scott Townley <n timer@prinenet.com>  
Subject: HR Archives  
Message-ID: <1.5.4.16.19970204223654.22d7a1f8@mailhost.prinenet.com>

I'd like to reiterate my offer to the list...  
I'm only a BA "voyeur", having little time or space to really tackle the true art of the firebottle (or the fireFET as one of my engineering colleagues once called them). But I do like reading the mail (remember when that was a figurative ham phrase, now gone literal?!?).

I have ALL (as in, every one) of those lovely HR issues stashed away for my kids (HA). So, I'd be glad to respond to requests for your one- or two-off article copy requests. Here are the requirements:

1. LSASE (and for articles you know are longer than four-five pages, an extra unit of postage would be kind). Send to:

Scott Townley NX7U  
526 W. Comstock Dr.  
Gilbert, AZ 85233

Yes, the CBA is WRONG.

2. The best bibliographic info you can give on what it is you need. Exact issue is desired. If you "know it existed, but don't know exactly when" I do have cumulative indices and will look, but you go to the time-available heap (see below).  
3. I have a day job like most. That means, I will make your copy when I get the time. Not the same day. Probably not even the next day. But you will get it. So if you avail yourselves of this offer, PLEASE be patient! The

ones I can find right away will get done first. If I have to hunt, I'll get around to it (I really will. Just maybe not right then!).

I'm sure all will find the above requirements reasonable. Keep those cards and letters coming!

And if HR ever gets to searchable CD-ROM...let me know. I'll have a complete paper collection to sell (but ONLY if it includes all the ads...that's half the value!).

-----  
"There is no need to sally forth, for it remains true that those things which make us human are, curiously enough, always close at hand. Resolve, then, that on this very ground, with small flags waving and tiny blasts of tiny trumpets, we shall meet the enemy, and not only may he be ours, HE MAY BE US."  
-----

Scott Townley  
nx7u@primenet.com

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Robert Fowle <hammarlund@jacksonmi.com>  
Subject: Key & sounder ....Value???  
Message-ID: <32F9173F.706D@jacksonmi.com>

have a chance to get 2 J-38's mated to 2 (bell i think) sounders...  
what are these worth? nether of us have any idea...  
thanks for any help..  
Robert

--  
\*\*\*\* Visit my Web Page.....\*\*\*\*  
=====]-[->

Robert Fowle KC8DBC  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721  
E-mail: hammarlund@jacksonmi.com  
Web Page: <http://www.jacksonmi.com/hammarlund>

NOW... BOATANCHORS Conference!  
talk, buy-sell-trade all in one place!  
Moderator: Robert Fowle  
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: Sandy W5TVW <ebj@worldnet.att.net>



Subject: Re: Look for an RCA AVT-112A  
Message-ID: <19970205031738.AAA11056@LOCALNAME>

The RCA AVT-112 Aircraft transmitter was a very neat compact unit. I used to run one on 75 meters quite a few years back! As supplied, the transmitter wouldn't quite make it to 40 meters, but with the simple act of taking a few turns off the PA tank, it would work both 75 and 40 meters. I used one while I was in High School to check into the Gulf Coast Hurricane net on 3935 Khz. Also used it on the "local" frequency of 3825 Khz. This before the days of 2 meter FM radio popularity! 2 meter AM never caught on in a big way here in this area like it did up in the New England area during the days of the Gonset Communicator!

The transmitter was generally (in aircraft) tuned to 3105 khz.. This changed later to 3023.5 khz. The "tower" would transmit on a low frequency between 200-400 khz generally. New Orleans Lakefront airport was on 382 khz and Moisant International was on 278 Khz. This was a common arrangement until VHF became popular. In better fitted out aircraft the RCA units were used, and the Hallicrafters "Skyfone" was popular as well. As I remember, the companion receiver to the AVT-112 was the AVR-20 which covered 200-400 khz. In those days, the "Adcock" radio range was used for navigation, and there was facilities all over the country. When Omnirange came into being it eventually displaced the old radio range and "radio compass" ADF receivers.

The RCA unit was designed to operate into a short "fixed" antenna, rigged from the cabin to the tail or cabin to tail to wingtip. For better range, there was a little reel available to manually let out a "trailing wire" antenna. I never saw this used inside the United States. It was frequently used when the set was used for longer haul communications in remoter areas.

HF has practically completely fallen into disuse in CONUS. It is still heavily used, but on SSB of course, in the Canadian and Alaskan "bush" areas, as well as Central and South America, where distances between airports is sometimes very great and far out of range of VHF communications.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: Hallicrafters SR-75, 860 tubes\*\*

\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997

From: Richard Hager <rhager@millcomm.com>

Subject: Re: Look for an RCA AVT-112A

Message-ID: <32F8EBE4.724A@millcomm.com>

The other thing I like about it is the use of four 6V6's, rather than 4 different tubes. Easy field maintenance. Sounds like someone thought this rig through.

Richard  
--

Richard Hager

+ Ah-ha! Design Group, Inc. -  
+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to make things" So... -  
+ ...please call Ah-ha! directly for CNC info -  
+ <http://www.millcomm.com/~ahha> email: [ahha@millcomm.com](mailto:ahha@millcomm.com) -

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: ARONGV@aol.com  
Subject: Manual Giveaway  
Message-ID: <970205171055\_1961739020@emout16.mail.aol.com>

Hi Gang:

My great manual giveaway went off almost without a hitch. All manuals listed are now gone. Thanks for helping me clear out some space for more junk!

With the exception of a few I have yet to confirm, most who called in first have already been notified.

Surprisingly, the most sought after item was the Sams Photofax of the S38B receiver!

The intent was to help as many as possible with projects or to give some document to a previous project.

Now if someone would help me find a Johnson 122 VF0, I'd be one happy RF bottleblaster!

73s from Kansas City

Ron Wo0IZ  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
Keeping Hallicrafters, Johnson & Swan on the air.

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: ARONGV@aol.com  
Subject: Manual Update  
Message-ID: <970205035130\_-1576497282@emout19.mail.aol.com>

Hi Gang;

Please take note on my Manuals For Postage: The following manuals are now gone as of Wednesday morning at 3:00 CST:

SX-42, S-40B, S-38, SB-301, SB-401, HR-10B, NC-303, and MR-1.

Thanks for helping me clean off my shelves.

Ron Wo0IZ

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: JONWEINER@aol.com  
Subject: re: MM-1  
Message-ID: <970205103312\_-1844746469@emout15.mail.aol.com>

I am looking for a copy of the manual for a Central Electronics MM-1 Multiphase RF Analyzer. Any help would be greatly appreciated. JON K1VVC

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: J P Taillebois <jpt1@idirect.com>  
Subject: Need 6BY5-GA tube  
Message-ID: <199702052032.PAA16138@relief.idirect.com>

Let me know if you have

thanks and 73

-----  
----- VE3JPT VE3JPT VE3JPT  
-----

Jean Paul Taillebois Interest:  
Hallicrafter, Gonset, Johnson, Collins, Military radios and  
996 Greenlane Court books.  
Oshawa Ontario Canada  
L1K-2C6

voice:905 723 1811  
paket:ve3jpt@ve3hqr

-----  
-----  
-----  
  
From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: the-radio-doctor@juno.com (Rob D Long)  
Subject: New York Estate  
Message-ID: <19970205.014618.12342.6.the-radio-doctor@juno.com>

All, This will be the last message from me on this subject. If you have an interest in anything I've posted from this estate please email me a very simple note containing the following. Please do this even if you have already responded, I need short to the point notes so I do not miss anyone. I print all personal email to me, I might miss you if I have it in my 1000 plus page collection. These notes will be taken with me, if your anywhere near my route on return and are interested I might be able to deliver.

- 1 your name and address
- 2 Phone Number (IMPORTANT)
- 3 Item/s you are interested in
- 4 best time to reach you

If I've already spoken with you on the phone disregard.

73, Rob

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: R-390A Parts Funzies  
Message-ID: <32F7E57B.1629@GHG.net>

Hiya tube dudes...

Got a couple of packages today from Fair Radio. Package number one had three of the Tobyhana Depot overhauled PTO's, which turned out to be two Cosmos and one Dubrow. Anyone with a Dubrow R-390A want to make me an offer on the Dubrow PTO so all their modules match? Heh heh heh...

Acutally, I wanted two for spares, one for my R-390A and one for the R-725, and was hoping the third would be a Collins to pass along to a Collins R-390A fan. I haven't looked at the Cosmos PTO's in real detail, but I only see the screw covered hole for the end-point adjustment. Or is this the same screw that exposes all the little screws for the linearity adjustment that has been yaked about lately?

Anyways, I'm not really thrilled with the quality of the Tobyhana Depot PTO's. Two of the PTO's make clicking noises, almost like a switch, and bind sometimes when the shaft is rotated. One even had a loose screw inside! Sheesh! Am I daft thinking that I may have gotten a couple a duds? (ie: do all of them bind?) Are all the Tobyhana PTO's this crummy? All three had overhaul dates of 1983 and 1984, and were in sealed boxes. The Dubrow was in a sealed metal foil bag as well.

In the other box, was a variety of switches including function, bfo, etc. PEOPLE THAT NEED AC MICROSWITCHES TAKE NOTE: When you order a FUNCTION switch from Fair you get that evul microswitch as well! (oops, looks like Fair will sell out of them in the next two days) What a deal for \$8.

Also in the box was a power supply chassis that was DESTROYED by UPS. Not dropped once, but twice. Both corners of the bracket were bent in, both tube sockets destroyed, power connector destroyed. UPS has agreed to pay the \$20 claim I put in this evening. Honestly, Fair really didn't do a great packing job, but UPS dropped this puppy twice... Oh well. This is the first time I've ever had a problem with UPS...

Also in the mail today arrived a Radio Shack TRS-80 Color Computer II, with terminal unit and RTTY cartridge. Yeah! Vintage RTTY reception will be happening here at Rancho Relaxo in the near future...

Thanks and 73,

Ben "I gotta get an apartment on the first floor 'cause I get way too much exercise hauling all this junque, errr, \*great stuff\* up three flights" Hall

--

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-----
From the computer of          | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHG.net (home) -or-    | involving Earth, Air, Water, and
Benjamin.D.Hall1@JSC.NASA.gov | Fire.
-----
```

\*\*\*PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above.\*\*\* My old address, BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: w9qje@juno.com (Snaproll Stan)  
Subject: R390A died ... help!  
Message-ID: <19970204.203751.5271.0.w9qje@juno.com>

Well, my freshly overhauled R-390A went belly up. Less than 100 hours since major overhaul and all it gives me is white noise. I have:

1. Checked the antenna connection, even switched antennas
2. Turned every knob
3. Checked local gain - only makes hiss louder
4. Checked RF gain - ditto
5. Tried Calibration - no calibration signal whatsoever. (Yes BFO was on)
6. Tested RF amp tube and it checks good (all other tubes light up)
7. Sworn at it.

Any suggestions as to where to look next? I'm hoping its something simple  
as the R-390A mocks my meager troubleshooting skills.

Thanks,  
Stan - W9QJE

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: "Rick Blank" <rblank@legend.txdirect.net>  
Subject: Re: R390A died ... help!  
Message-ID: <199702050305.VAA06161@legend.txdirect.net>

Check the ballast tube...it happened to me!

- > Well, my freshly overhauled R-390A went belly up. Less than 100 hours  
> since major overhaul and all it gives me is white noise. I have:  
> 1. Checked the antenna connection, even switched antennas  
> 2. Turned every knob  
> 3. Checked local gain - only makes hiss louder  
> 4. Checked RF gain - ditto  
> 5. Tried Calibration - no calibration signal whatsoever. (Yes BFO  
> was on)  
> 6. Tested RF amp tube and it checks good (all other tubes light up)  
> 7. Sworn at it.

>  
> Any suggestions as to where to look next? I'm hoping its something  
> simple  
> as the R-390A mocks my meager troubleshooting skills.

>  
> Thanks,  
> Stan - W9QJE

>

>

Rick Blank, KI5SL  
2223 Blanco Road  
San Antonio, Texas 78212

rblank@txdirect.net  
AMSAT NA# 26195

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Re: R390A died ... help!  
Message-ID: <32F805B8.A32@GHG.net>

> Check the ballast tube...it happened to me!

I second Rick's suggestion. Seems to me that you have B+ since you get hiss from the audio, and since the audio increases with the LOCAL GAIN knob, at least part of the AF chassis is good. Since the RF gain changes the noise level, that leads me to believe that the RF section is working somewhat, and that everything from the RF back thru audio is working.

Now, with the lack of a cal signal, many things can go wrong. Losing the cal osc won't affect normal reception, so that is out. No BFO osc tube would lead you not to hear the cal signal, but if you have meters you'd see it on the carrier meter. Had the problem been in the RF, you would have still seen a cal signal. Of course, I'm assuming a single point failure, which is most likely the case. (of course on the STS-76 ascent one engine had both a Pc meter bias and a command path problem, a dual failure that I would have gotten my rear end chewed if I had simulated that...)

That leaves us with stuff dealing with the local osc. And what feeds two tubes in the PTO/local osc department? That silly ballast tube. Ballast tubes are fairly fragile from what I understand, so maybe that overhaul and shipping fatigued the ballast tube and it just died on you? I'd put my money on it, or a filament failure of one of the two tubes fed by the ballast tube doo hickey. Which makes sense: No local osc/PTO, no detection of signals, nothing to detect the cal signal, but audio still working okay...

Let us know what you find!

Thanks and 73,  
Ben

--

-----  
From the computer of | Collector of fine firebottle  
Benjamin D. Hall, Houston Texas | equipment, as well as other things

BDHall@GHG.net (home) -or- | involving Earth, Air, Water, and  
Benjamin.D.Hall1@JSC.NASA.gov | Fire.

---

\*\*\*PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above.\*\*\* My old address,  
BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: w9qje@juno.com (Snaproll Stan)  
Subject: Re: R390A died ... help! (found the problem)  
Message-ID: <19970204.231919.5271.0.w9qje@juno.com>

Ok it was a simple fix after all. I got all concerned about the tubes  
glowing that I neglected to check the ballast tube. It was a goner.  
Luckily I had a spare and everything's back to normal. What I  
don't understand is I could've sworn that all the tubes were glowing  
but obviously not. Sheesh ...  
Well, next time the radio gives out lots of audio noise but no rf noise  
I'll know what to look for.

Thanks anyway,  
Stan - W9QJE

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: arc5@ix.netcom.com (David Stinson )  
Subject: RCA AVT-112A and Kinfoles  
Message-ID: <199702051059.EAA21905@dfw-ix12.ix.netcom.com>

Nick and BA folks:

Yes, the RCA light aircraft AVT-112 and AVR-20 pair make a  
very neat little rig. They were standard in 6 and 12 volt  
L-5 Stinson light recon aircraft during WW-II and also in  
other such applications. The transmitter mounted near  
the pilot's left sholder at the wing root in the cockpit.  
The receiver mounted near his right sholder at  
the other wing root. The transmitter is crystal controlled  
and a crystal holder mounted behind the pilot's seat to  
hold extra crystals. The receiver is tunable.  
The external power supply mounted in the cabin floor under the  
pilot's knees and used a vibrator. Much of the T/R switching  
happens in the supply.

The radios are designed to be used on 6, 12 or 24 VDC and  
have an internal jumper board to make the choice. Most that



you find today are wired for 6 VDC. The receivers generally came pre-wired for either 6 or 12 VDC. Very few of the planes used the RCA radios on 24 VDC. Standard for a 24VDC plane was the SCR-274 with BC-442, -451, -453, -454, -456 and mounts. The 12 VDC aircraft could also carry the larger and more powerful AVT-15 transmitter, which is rare today. I would be very interested in obtaining one.

I collect these RCA radios and have restored an AVT-112/AVR-20 pair to operation. It puts-out about 8 to 10 watts. The receiver sounds really excellent and is surprising for such a small and simple design. Be warned: Recapping this receiver is a bear. Contact me if you want to try.

Although RCA built two models of radio range and DF receivers (AVR-100,-101) to be companions to the HF rigs, they used low-voltage filament tubes and required a "C" bias battery. The aircraft were usually issued with a BC-1206 (AN/ARR-13) LF "radio range" receiver. By the time RCA wised-up and built the AVR-15 radio range unit, everyone was happy with the BC-1206. I have all three of these rare companion LF radios in my collection, but haven't restored them yet. Mike Hanz just graciously sent me the RCA DF loop control box and spline cable. Now if I can just find the DF loop and the hand-cranked antenna reel, I'll have the station complete.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: Ken\_Warren@beavton.k12.or.us (Ken Warren)  
Subject: Re: RCA AVT-112A and Kinfolks  
Message-ID: <610660318.420794@beavton.k12.or.us>

Hi Dave, I read your posting on the AVT-112/AVR-20 with interest. I ran across the transmitter half in our local surplus store last year and have been looking for a companion receiver to mate up with it. They seem to be pretty rare critters around here. 2 weeks ago I ran across an Elmac PMR-7 at the same store and thought that it would make a nice companion untill I can come up with an original. I have an old mobile power supply for a heathkit 2 meter transceiver that I think will run the pair nicely. My thoughts were to mount the pair in a military transit case and use them for a portable station. If you ever run across an extra receiver you might keep me in mind as I would like to use the intended receiver.

Ken Warren K7RPX

Ken\_Warren@beavton.k12.or.us  
KenwK7RPX@worldnet.att.net

--

Beaverton School District  
Beaverton, Oregon

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: JONWEINER@aol.com  
Subject: RE: RT-19/ARC-4  
Message-ID: <970205091703\_-1911260976@emout06.mail.aol.com>

I have an RT-19/ARC-4 military VHF transmitter. I anyone has any interest in it, please let me know. 73's JON

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: William Donzelli <william@ans.net>  
Subject: SCR-133 help  
Message-ID: <199702050629.AA29734@interlock.ans.net>

Thank you to all that responded to my query about the SCR-133.

I have a BD-46 Dynamotor Unit, built for order 6213-NY-32 dated 25 Feb 1932 (apparently, the SCR-133 was a successful design). I am starting to clean it up, to be followed by a repaint. I have a few questions, as I have never seriously fiddled with something of this era.

1) One of the brushes may need to be replaced. I suppose I would be very suprised if I could find an exact replacement. Can one make a new brush, perhaps from a larger one? Does anyone have experience doing this?

2) There are some bits of steel hardware that are quite corroded. Would these have been zinc plated (did not help much, if so), or were they not used back then?

3) There is a big hunk out of some of that black plastic (Bakelite?) that seems to be so common in radios from the first 20 years of radio. I would like to repair it, rather than replace it. Is there a solvent available so I can get seamless bonds?

4) The data tag is of the familiar nickle-plated brass variety, but it looks like the background color may not be paint, but blackened by chemical action. Does this sound reasonable? Does the

blackener sold for brass work on nickle?

5) Does anyone have a spare BC-129 for me to power?

William Donzelli  
william@ans.net

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: Glenn Finerman <GFINER@nms.com>  
Subject: re:Shortwave Rx's, past and present.. poor  
Message-ID: <s2f84a65.097@nms.com>

I'm sorry, but I have to jump in and say I totally disagree with Ben's assessment of Shortwave Receivers Past and present. I've had the book for several weeks now and I love it!! It's one of those books I just couldn't put down when I first got it.

re>That's my opinion after reading it. Many many sets left out. Sets >classed as VERY Scarce when they abound a plenty, and prices, >well. Loads missed out. No KW sets, one of the biggest maufacturers >during 50/60's. Only one brief mention at back of book. Loads of >Eddystone rx's missed out, why ? >If he's going to mention the pathetic 9R-59D, which by the way are not >VERY SCARCE ! and then leave out really good radios, whats the point.

KW sets?? As the author mentions, an attempt was made to include the European sets as well as what's available in the U.S. I assume Ben is referring to KW Atlanta which is VERY SCARCE!. I attend dozens of hamfests every year and I've never seen one. Besides, didn't KW just make a transceiver? and when is the last time you saw an Eddystone at a U.S. hamfest? I'll assume again from the above comments you're referring to the Kenwood R599, R599D receivers, which in my opinion were excellent performers and, yes are becoming quite scarce at hamfests. To each his own I guess, but in my opinion the book is excellent and a bargain at the \$19.95 price. I did find some mistakes with some of the sets I'm familiar with like the comment that the Drake R-4C has the capability of setting the bandwifth independent of mode (not true, that was the R-4B) I also feel the prices were very close to the mark.

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: azoth@netcom.com (Az0th)  
Subject: Re: Shortwave Rx's, past and present.. poor  
Message-ID: <199702051520.KAA11758@netcom6.netcom.com>

Hi Glenn,

> >If he's going to mention the pathetic 9R-59D, which by the way are not  
> >VERY SCARCE ! and then leave out really good radios, whats the point.

> above comments you're referring to the Kenwood R599, R599D  
> receivers, which in my opinion were excellent performers and, yes

The 9R-59D is a different animal entirely from the R-599. Virtually identical to the Lafayette HE-3, sold in the early 60's, it's anything but common here in the States, at least with the TRIO imprint. I have one of these with the matching speaker and 6m converter, and I find it a reasonable SWBC receiver, with pleasant audio. The huge glass sliderule dial and gray wrinkle cabinet are quite attractive, as well. Not a great radio, but a good radio, and a fine example of the type.

I've so far come across one other person with a 9R-59D, in Australia, and I bought the only one I've ever seen for sale, here on the list. ;)

Haven't seen the book yet, so I can't comment on it.

73 de KF4FJH - RF Buchanan

[Need R-7/A to complete 7-line station, have Drake, Collins, JRC to trade.]

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: John <johnmb@mindspring.com>  
Subject: re:Shortwave Rx's, past and present..my .02  
Message-ID: <1.5.4.32.19970205144251.0094be1c@pop.mindspring.com>

At 07:54 AM 2/5/97 -0600, you wrote:

I'll side with those who find this a valuable reference. While it may have some omissions, there are some very valuable positives about it. The book is wonderfully published, with excellent photography...I dont think that the prices are far from reality (though I hate price guides in any field). The tube lineup information is quite handy as well.

I'd give it a three thumbs up...another reference work that goes on the shelf with the Moore books, the Dachis Halli book, Chucks Heath research.... all of which add something

to the available reference material available in this tiny  
niche collecting field...all of which bring something of value.

best 73

/John

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: arc5@ix.netcom.com (David Stinson )  
Subject: SIGNAL CORPS MUSEUM--HAPPY NEWS  
Message-ID: <199702051921.LAA11351@dfw-ix2.ix.netcom.com>

Point your web browser to:

<http://147.51.101.5/museum/>

and look under "Archives."

Not only do they have an "SCR" index,

they've just added a "BC-1 to BC-1421"  
listing! Hurrah!

73 DE Dave AB5S

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: eb5agv@ctv.es  
Subject: SP-600-JX - Update!  
Message-ID: <1.5.4.16.19970205134314.3807ae6e@192.168.0.1>

Hi BA gang,

I sent a message some days ago about an SP-600-JX with SSB converter I had  
been offered... Well, the GOOD news are that the converter is NOT the HC-10  
but the SPC-10!!!!. Some of you told me that this one is a bit scarce and  
that pricing for it is usually higher, so I think it is a very good offer  
(\$180 for both the receiver and the converter)... Now I'm managing with the  
transport to my home, but I hope to get it here in a week or so. I'll post  
more accurate information when I receive it.

Thanks and best regards from a happy guy :-) !

JOSE

-----

73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
46910 Benetusser - Valencia  
SPAIN

QTH locator: IM99TK

\*\*\* PLEASE, VISIT MY HOME PAGE AT : \*\*\*  
http : //www.geocities.com/SiliconValley/6992  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
-----

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: "Anderson, Craig - Ext. 1365" <CAnderso@smtp.stp.tec.mn.us>  
Subject: SP600 Product Detector  
Message-ID: <32F8BC3E@smtp.stp.tec.mn.us>

Does anyone out there remember an article in the late 60s (I think '66 or '67) in Popular Electronics about upgrading the SP600 with a product detector? I have seen several different designs including the one in ER a few years ago but do not have any info on the one supposedly in Popular Electronics. Any help is greatly appreciated.

Craig, K0AZB  
canderso@smtp.stp.tec.mn.us

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: SP600 Product Detector  
Message-ID: <Pine.ULT.3.95.970205160146.21778B-100000@admin.aurora.edu>

On Wed, 5 Feb 1997, Anderson, Craig - Ext. 1365 wrote:

> Does anyone out there remember an article in the late 60s (I think '66 or  
> '67) in Popular Electronics about upgrading the SP600 with a product  
> detector?

I have not seen that article but I have a very successful product detector that I use in mine. Be glad to pass along the schematic to anyone that sends me their mailing address. This same detector also works fine in my HRO and BC-348 with only slight circuit changes. It uses a 6BE6.

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Miro Klima <mattj@orausa.com>  
Subject: Strange Diode (?)  
Message-ID: <01BC136D.91F13B80@mattj.orausa.com>

Gang,

I recently acquired a Galaxy GT-550 transceiver, an interesting piece of history as it was released in Spring 1969 and contains a fascinating mixture of tubes (12) and sand (24). The rig was apparently stored for nearly 28 years and was sold because the owner recently pulled it from storage, plugged it in and let some smoke escape.

I was buying an R-390A IF deck from the gentleman when he said for a few dollars more he would throw in the Galaxy, power supply and speaker console. Being a sucker for homeless rigs it followed me home.

If anybody knows about the history of the GT-550 or the Galaxy company I would love to hear about it as it was built in Cedar Rapids Iowa and is quite well made.

I have repaired the lost smoke, a switch had a small disagreement with switching 400V. Guess it was dirty after 28 years of storage. But.....

My question is that in repairing the switch I found a component unsoldered. I checked the schematic and found the wiring to be generally as suggested but for this one item. It looks like a small 1/4 watt resistor, only a tad smaller. It has a black body with three color bands, green, blue, green. Now for my confusion. There is no such resistor in the circuit, but instead a diode (1N34) shown that I cannot account for, unless this "resistor" is the diode! Even stranger, the VOM shows that it has about 1K in resistance measuring to ground instead of 5.6M.

I have spent a few enjoyable hours checking the schematic against the wiring but cannot find another similar component to verify this.

While this is not directly about sacred firebottles, the item in question is hooked to V5 in the rig so I am going to ask, "Has anybody else seen such a diode, or were such diodes used in 1969?"

Finally, the finals are a pair of 6LB6s. Are there any equivalents or can

somebody point me where to find these animals?

Sitting in puzzlement until the group answers. Thanks.

73 de Matt WB2VZS

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997

From: Morris Odell <morriso@vifp.monash.edu.au>

Subject: Re: The Stan treatment (long)

Message-ID: <32F90E64.31E9@vifp.monash.edu.au>

Hi Pete and the others who responded to my tale,

> I carry my dirty stuff to the car wash after removing the meters. Works  
> great. I let'em cook in the Texas sun for a minimum of a week. That gets all  
> the moisture out of the hiding places.

I was involved in a case recently where someone left a child in a car and had to do some research on the sorts of temperatures that can be reached. I found a fellow in northern Australia who does environmental research for the motor car manufacturers here and he was very helpful. He told me that the maximum temperature he had ever measured in a car (admittedly in the north Queensland tropical summer) was, wait for it,

120 DEGREES C = 248 DEGREES F !!!!!

This could be hot enough to melt certain plastics and would probably leave a precipitate of vaporized plasticiser etc on whatever you had in the car (like the gunk that gets deposited on the inside of the windscreen). In my case here in Melbourne on a summer day when the air temp was 18 degrees C (64F), he thought the inside of the car could have been as high as 31 (=87F).

In my case the 'scope was left on a concrete porch in full sunlight on a day when the air temp was 35 degrees so it would have been even hotter. A few people (including Stan Griffiths) have suggested that 5 hours was probably not long enough so I'll certainly take heed of that in future. Lacking a drying oven, I have to use this method and since we're in the middle of a heatwave in the hottest month of the year here, maybe I should take the opportunity to roast a few more Boatanchors (I don't know if my back can take the strain!!).

73

Morris



From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>  
Subject: Value of Collins 310A1??  
Message-ID: <199702051933.AA180001185@rubens.artisan.calpoly.edu>

Can anyone give me an idea of the approx. value of a Collins 310A1 exciter.  
I'm in contact with someone with one to sell, but neither of us has an idea.  
Thanks.

Dave

David Ragsdale, R.E.H.S. Risk Management  
California Polytechnic State University, San Luis Obispo, CA  
du651@oasis.calpoly.edu or doragsda@cymbal.aix.calpoly.edu

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: Robert Nickels <ranickel@mwci.net>  
Subject: Vintage Microphones - book review  
Message-ID: <32F8AEA1.3648@mwci.net>

Like the excellent Heath, Hallicrafters, and most recently, the  
"Shortwave Receivers Past and Present" book, I'm always pleased when  
someone knowledgeable about one aspect of our hobby takes the time  
to share it with the rest of us.

Microphone collectors will enjoy "Vintage Microphones", especially  
since this seems to be the first such collection of information  
published. At \$29.95 it's not for everyone, and the quality of the  
photographs and drawings tends to be poor (but readable), but for  
a mic nut, it's well worth the price. The content is a mixture of  
old catalog pages and data sheets, manufacturer's application notes,  
broadcasting history, magazine article reprints, and even a few  
of the original patents. The author's intent is to help readers  
understand the history and theory of vintage microphones and to be  
able to identify them. I think he succeeds at all three.

And of course the book covers "tube mics", some of which are respectable  
boatanchors in their own right. Quoting from an article on the  
Neumann U67 tube mic, "I cut my technology teeth in the 1960s on tube  
era electronics. To this day I am still in awe of the brute force  
and large mechanical nature of tube electronics. You can smell the  
heated air, feel the warm, see the amber glow of the vacuum tubes as

they work. Very different creatures than the abstract software-driven devices of today. Tube microphones are one of the last bastions of this great original audio science from the early part of this century".

Something we can all agree on! I recommend this book to anyone who is serious about mics, even though its availability may drive up the already-astronomical prices of some models. (Actually, I doubt this book can do any more than MTV, audio purists, and the guys who advertize in the back of ARC have already done!)

Ordering info: Victor Bang, Jr., Video Tech Service, 7520 S. Rural Rd. #3, Tempe, AZ 85283. And if you've got an old RCA ribbon mic gathering dust in your closet, call ME not him!

73, Bob W9RAN

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: wallace@world.std.com (Andy Wallace)  
Subject: Wallace website at new location, comments welcome  
Message-ID: <32f8f602.460436@world.std.com>

Hi, Folks!

It was awfully nice of John Brewer to be the caretaker of my radio JPGs for the past year or more. But I thought I'd take the load off his back and get some experience with HTML myself, so --

My pictures are now at:

<http://world.std.com/~wallace/>

and I'd love for you to take a look. At present there are almost 40 pictures online, of various rigs in various states of repair. I hope you'll all find the place interesting. Please let me know what you think. The links page has just one link at present. If you have a homepage and want to link to me, feel free, and if you'd like me to link your radio page in, give me the URL when you visit.

Note the tilde before "wallace," and note there's no www involved, though if you add it it may still work.

Enjoy!

73,  
--Andy

wallace@world.std.com  
<http://world.std.com/~wallace/>  
(vacuum tube ham stuff)  
Comments appreciated!

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Nick England <nick@cs.unc.edu>  
Subject: wanted - Heath RF probe parts  
Message-ID: <199702052131.QAA06522@altair.cs.unc.edu>

I need a couple of parts that are missing from a kit I have.  
I'm looking for the RF probe that was used with things like the  
T-3 and T-4 signal tracers, and some VTVMs as well.  
The probe is an aluminum cylinder with black plastic  
cap at the cable end and red plastic cap at the tip end.  
I need the red plastic cap and the 1N34 diode that is on a circuit  
board inside the probe.

So if you have a spare probe lying around or run across one at a hamfest  
(maybe the one I got rid of last year like a dummy!), please  
let me know.

many thanks,  
Nick the Heathkit nut  
-----

Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina  
<http://www.cs.unc.edu/~nick> Chapel Hill NC

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Nick England <nick@cs.unc.edu>  
Subject: wanted - Johnson Mobile VFO  
Message-ID: <199702052133.QAA06535@altair.cs.unc.edu>

I'd like to find a Johnson Mobile VFO to go with my  
Mobile Transmitter. Will trade stuff or cash.

73 & Have Fun,  
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina  
<http://www.cs.unc.edu/~nick> Chapel Hill NC

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Who else is using an AN/SRT-15, AN/SRT-15, AN/SRT-16?  
Message-ID: <9702051917.AA143751@csemail.cropsci.ncsu.edu>

I am still plying the bilgewater of the AN/SRT-14 with synthesizer woes (nothing like a 70 tube synthesizer to give one a bad case of BAitis headachitis maximus). If there is anyone out there who actually is using or rebuilding or restoring one of these 800lb ironmongers ether-breathing fire-maidens, or if you know of anyone not on the list doing so, or if you know anyone who has actually serviced them in the Navy, do holler. Either I am electronically dense (probably somewhat) or generally unlucky (sometimes) or this is the worst technicians nightmare ever foibled upon the Navy (could be.....(:+\.\.....). The basic rig is sweat as apple pie....but the synthesizer section (all 175 lbs of it) is.... (expletives deleted), if ye knows wats me means. It has gotta be something simple, and something that has happened before/regularly, in its service life. So, all hands wats serviced/rebuilt/depot-overhauled these beasties, kindly get in touch.

My synthesizer drawer is just not working right. Most of the time I am using an external vfo to drive it, lately. All of the oscillators and multipliers on the top deck are fine, with strong output. The mixers in units 6 and 8 and the output is very weak. I have been through it peaking the coils up through unit 5 and 7, but units 6 and 8,9,10,11 are all weak in the output. I have had what units I could get extended using alligator clip leads out and tried to get it to peak, but to no avail. I can hear the signal in the receiver but there is only a few millivolts of drive rather than the 2 volts required. The oscillator leakage at 7.000000 mhz from the xtal oscillator chain is enough to drive it well, if I use the wrong mixer dial A/B settings to get the output on 7 mhz directly (sneaky check trick I found), so the output wiring seems OK. That implies somewhere in the mixing it is off. There are about a dozen mixers that combine all the oscillator chain outputs to derive the desired frequency, followed by band specific wide-band driver stages. A 3 gang, multi-section band switch brings all of it out to the proper driver stage. I tested for a bad band switch by jumpering the about dozen or so BNC cables to bypass the switch, but nil output still.

All the red dots are aligned correctly on the module oldham couplers, yet I was wondering if one of them might be 180 degrees off, and I reset it correctly and blew its switching position. I noted one of the spare sets a friend has had the unit 8 coupler 180 degrees off. I am half tempted to try that as a last resort. Maybe when I was doing the alignment, I inadvertently set it 180 degrees off. Or, maybe one is just slightly enough off to pull a bandswitch slightly open or between lands and kill the output, after R/R'ing the various modules. All the

linkages (12 chains and oldham coupler driver shafts and about 25 oldham couplers), seem OK, yet all it would take would be one slightly off in its switching and mixing and the signal would be lost.

It was working fine, and I decided to do the -75db alignment to cut the +-10khz spurs down, since they were only 55db down by my measurements, and a neighbor ham heard them. Alas, when I closed the darn drawer, it died. It seems like a loose connection, yet all the voltages are correct except for the output rf voltages. This one has me perplexed. I get a gut feeling that it is merely some sort of loose or incomplete connection somewhere, but I just can't seem to find it, yet. Others seem to have had the same sort of all-of-a-sudden-synthesizer-woes, I have heard, but would like some particulars and mebbe insights as to what to look for. That is where ol' Navy techs who actually serviced or overhauled them might be of value for their remembrances of the beast.

Any ideas or comments are appreciated. I WILL get the beastie up again! I WILLLLLLL, I WILLLLLLL, I WILLLLLL! There is way too much BA sweetness and jollies in dialing up a dozen frequency knobs to the nearest 10hz anywhere in MF/HF-land and being rock on. It is also nice being within 1 hz of WWV anywhere in the bands. And, it do put out a nice 150 watts minimum into anything from the bedsprings to the mile-long barbed-wire fence, with impunity, at standard idle (it will run a KW input with external power supplies). And it sure looks like a real BA at 6 feet high and 800 lbs!

Almost at Happy, Happy, Joy, Joy BAville.....

Ain't a'boatanchorin' fun!

73/ZUT DE NA4G/Bob UP  
rdkeys@cropsci.ncsu.edu

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Michael Hanz <AAFRadio@erols.com>  
Subject: WS-19 indignities (solder-fouled connector pins)  
Message-ID: <32F8FC60.420@erols.com>

On Tuesday, 4 Feb, jproc@bellglobal.com wrote:

>Many people subjected the 19 set to an unforgivable indignity. Since they did  
>not have the power supply or the short, interconnecting, power cables, many  
>19 sets are sold with wires soldered right to the pins of the power  
>connector. Ouch...! Once solder gets on those pins, it's impossible to remove  
>with solder wick and that certainly lessens the worth of the set.

Don't give up on them - same thing happened to lots of the little banana pins on

the  
command sets. I've had \*extremely\* good results from heating the pin with a  
soldering  
iron and blowing out the solder with a air gun. You have to do it twice...from 90  
degrees apart. Occasionally you'll have to do a little working of the spring  
leaves  
with a jeweler's screwdriver to open up space between the leaves and the center  
pin  
for a final cleanup blast of air. My old non-OSHA pushbutton type air gun (with  
GOOD  
safety glasses and thick work clothes) seems to work best, but even a more modern  
air  
gun will probably do fine. This works equally well on both the female and male  
parts  
of the connectors.

--

Michael Hanz KC4TOS  
Herndon, VA  
AAFRadio@erols.com

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: jproc@bellglobal.com  
Subject: RE: WS-19 indignities (solder-fouled connector pins)  
Message-ID: <Chameleon.4.01.2.970205143813.jproc@finlay.bellglobal.com>

>. I've had \*extremely\* good results from heating the pin with a soldering  
>iron and blowing out the solder with a air gun.

Michael,

All the air blowing in the world will not remove solder that has bonded with  
any metal. (I'm being meticulous here). The example you cite is very  
practical for removing excess solder in order to make the pins mate  
mechanically. Just keep in mind that anytime time a layer of solder is  
present between contact surfaces, potential problems may surface in the  
future.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@bellglobal.com  
HMCS Haida Naval Museum  
Toronto, Ontario  
'Looking for a 'AN/SRC-501'

-----  
  
From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Karl Verren <kn6cw@hughes.net>  
Subject: WTB Dynamotor for ARC-5 XMITTER  
Message-ID: <19970205210652.AAA9954@[205.139.35.234]>

Greetings to the list,  
I am looking for a DM-34-D 12 volt dynamotor to place into an MD-7  
modulator. I would also be interested in any other dynamotors of this  
general size (physical dimensions) that may be rated at 28 volts. Thanks in  
advance for your help.  
Karl Verren KN6CW  
2894 Delmar Ave.  
Mojave, CA. 93501-1114

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: jschwart@ix.netcom.com (John Schwartzberg)  
Subject: WTB Sweep Tubes  
Message-ID: <199702051412.IAA12521@dfw-ix11.ix.netcom.com>

Hey gang -

I'm looking for four 6MJ6 sweep tubes. Any help?

Thanks.....

John  
N0GII

Denver, CO  
jschwart@ix.netcom.com

From boatanchors@theporch.com Wed Feb 5 06:45:36 1997  
From: djhutch@concentric.net  
Subject: WTB: Drake 2 CQ  
Message-ID: <32F87FC0.7F9E@concentric.net>

I am looking for a Drake 2 CQ Q multiplier/speaker. I will pay cash or  
work a possible trade if you have one for sale or know of one on the  
market.

I am also looking for a T-4 Transmitter.

Please e mail all replies.

73's

Dave K9HT

From boatanchors@theporch.com Wed Feb 5 12:46:43 1997  
From: Chuck Penson <penon@sci.mus.mn.us>  
Subject: WTB: Knightkit Ocean Hopper  
Message-ID: <32F8AC4F.35C7@sci.mus.mn.us>

Am looking for this for a non-networked friend.

Thanks for any info!

--

Chuck Penson  
WA7ZZE

penon@sci.mus.mn.us  
612.221.4510 voice  
612.224.5092 fax  
<http://comped.sci.mus.mn.us>

Madness takes its toll. Please have exact change.

From boatanchors@theporch.com Wed Feb 5 20:55:58 1997  
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>  
Subject: Xtals needed  
Message-ID: <v03007801af1ee5a42985@[134.53.65.12]>

Need a 9.100MHz and a 9.0775MHz xtal in an HC-6 package, if anybody's got one. Thanks.

Jim Garland W8ZR